

KAUAI COUNTY HISTORIC PRESERVATION REVIEW COMMISSION
Lihue Civic Center, Moikeha Building, Meeting Room 2A/2B

MINUTES

A meeting of the Kaua'i County Historic Preservation Commission (KHPRC) was held on January 6, 2015 in the Lihue Civic Center, Moikeha Building, Meeting Room 2A/2B.

The following Commissioners were present: Stephen Long, Chairperson, Pat Griffin, Vice Chairperson, Althea Arinaga, Anne Schneider, and Victoria Wichman.

The following Commissioner(s) were absent: Danita Aiu and Kuuleialoha Santos.

CALL TO ORDER

The meeting was called to order at 12:26 pm.

ANNOUNCEMENTS

There were no announcements.

COMMUNICATION

There were no communications.

RECESS

On motion by Ms. Arinaga, seconded by Ms. Griffin the KHPRC recessed for the excursion to view the Historic Kapahi, Puuopae, and Opaekaa Bridges.

Kapahi Bridge

The KHPRC arrived at Kapahi Bridge at approximately 1:04 pm.

Mr. Michael Hunnemann of KAI Hawai'i noted the following:

- Two water lines will remain in place.
- The existing bridge is supported on steel girders and it's got a timbered deck with timber railings and supported on CRM and concrete abutments.
- The design will retain the existing CRM and concrete abutments and the new abutments will be behind the existing abutments.

- The new bridge super structure will consist of steel girders that will look identical to what we have now and the deck will be concrete with timber planking similar to what is there now so the end result will look very similar to what exists.
- There is going to be a white line delineating the pedestrian side walk portion to help people know that the bridge will be shared by pedestrians and bicyclist.
- There won't be a raised sidewalk.
- The new railings will be made steel painted white and similar to what is there now.
- Pickers will be added to the side.
- The new bridge will be very similar to what is there now.

In response to Commission's concerns Mr. Hunnemann confirmed the following:

- The current deck is just wood with no concrete and reported that, that is one of the reason why the load rating is so low.
- The entry on both sides of the bridge will stay the same however the railings will be changed to the tri beam type.
- The current railing is not to code due to crash ratings and the new railing will be made out of steel tubing.
- There will be an addition of a timber curb and there will be three rails installed and the height will be 42 inches.

Ms. Griffin requested copies of the profile of the bridge be circulated at the next KHPRC meeting.

At approximately 1:15 pm the KHPRC left for Puuopae Bridge.

Puuopae Bridge

The KHPRC arrived at the Puuopae Bridge at 1:29 pm.

Mr. Michael Hunnemann of KAI Hawai'i reported the following:

- The Puuopae Bridge is supported on two steel girders and CRM and concrete abutments similar to the Kapahi Bridge.
- The deck on this bridge consists of concrete slabs with transverse beams every four feet on center which rests on top of steel girders.
- The bridge will also have 3 steel girders instead of two.
- We will have a concrete deck similar to existing and will incorporate the transverse beams underneath and will be visible from the side.
- The bridge railing will not be what is existing and will be similar to the one proposed for the Kapahi Bridge.
- The end posts will be preserved in place and will probably have to be located behind the new guardrail.
- The bridge width will remain the same.

In response to Michael Moule's question, Ms. Griffin confirmed that until about 2000 there were wooden slats similar to the Kapahi Bridge. She also reported the following:

- Puuopae Bridge is one of only three bridges on Kauai where riveted metal construction is visible (the other two, both on the National and State Historic Registers are Hanalei River and Opaekaa Stream Bridges.)
- It started life as a truss bridge.
- Puuopae Bridge is National and State Registers as a category as it represents events that were important to this County
- People had to come down Olohena until 1936 when the bridge by Coco Palms was built. So this bridge and its size really represents the struggles of the people to actually make a life here.

Mr. Moule noted that from the County's perspective when you look at these bridges of course the historic nature is very important aspect of how they rebuilt but we also have to consider safety, traffic, and long term service and things like that. The County's job is to balance these things out and follow the law because these bridges are federal find and requires that the historic nature is addressed.

At approximately 1:44 pm the KHPRC proceeded on to Opaekaa Bridge.

Opaekaa Bridge:

The KHPRC arrived at the Opaekaa Bridge at 1:51 pm.

Mr. Michael Hunnemann of KAI Hawai'i reported the following:

- This is a steel truss bridge.
- The span length is 75 feet.
- It will remain a single lane bridge
- The new bridge will consist of steel girders with a concrete deck.
- The existing truss members will be removed and repaired and then fastened on to the sides of the bridge.
- The bottom cord, because of its extreme poor condition, will be removed and totally replaced in kind.
- The top half of the top cord will be sliced off and replaced in kind and will retain the lower part.
- Most of the diagonal braces will be retained and there are two or three that are going to be replaced. These pieces are not load bearing and will be totally esthetic.
- The new members will be the same size as what is there now.
- The four end posts will be preserved as is and reused as well.
- The bridge width of 10 ½ feet will be retained.
- The abutments will remain in place and the new abutments will be installed behind the existing.
- As is now the existing pier will remain.
- Emergency girders have been added underneath the bridge.

- A railings will be added and recessed as much as possible into the truss.

Ms. Griffin noted that in an attempt to find out what the original color of the bridge was she found that the company that built this bridge seems to be out of business. She reported that she wrote a letter to a museum in Motherwell, Scotland that may have records indicating the house colors of t the different companies. To date she has not received a response.

At approximately 2:01 pm the KHPRC left for Lihue Civic Center, Meeting Room 2A/2B.

RECONVENE MEETING

The meeting was reconvened at 2:15 pm by Chairperson Long.

There was no public testimony.

Ms. Griffin thanked the County for coordinating the field and noted that she suggested doing a field trip because so many of our bridges come up before us. Having the County explain what was important to try to preserve and what was being replaced was a real benefit to us.

ADJOURNMENT

The meeting was adjourned at 2:20 p.m.

Respectfully Submitted,



Shanlee U. Jimenez
Secretary

Date: JAN 28 2015